

## WHAT IS CLAIMED IS:

1. A motor vehicle bumper comprising:

- a shield presenting a first impact zone situated substantially at the height of a knee of an adult pedestrian, and immediately below said first zone, a second impact zone situated substantially at the height of the tibia of an adult pedestrian;

- a beam placed behind the shield substantially at the height of the knee of an adult pedestrian, in register with and at a certain distance from the shield; and

- interposed between the beam and the shield, at least one block made of a compressible material, having a front end disposed on the side of the shield and a rear end disposed in register with the beam, the block having a cross-section that increases from its front end towards its rear end;

wherein the front end of the block is disposed in register with the second impact zone of the shield.

20 2. A bumper according to claim 1, in which the shield comprises a top portion and a bottom portion set back from the top portion, and in which the beam is placed in register with the top portion, and the block is interposed between the beam and the top portion.

25 3. A bumper according to claim 1, comprising a single block disposed transversely and running along the beam.

30 4. A bumper according to claim 1, comprising a plurality of spaced-apart blocks.

5. A bumper according to claim 1, comprising a plurality of juxtaposed blocks.

35 6. A bumper according to claim 1, in which said block presents a cross-section in the form of a trapezoid whose

small base is formed by the front end and whose large base is formed by the rear end.

7. A bumper according to claim 6, in which the block  
5 presents a cross-section in the form of a rectangular trapezoid.

8. A bumper according to claim 7, in which said block  
presents a bottom face facing downwards forming the side  
10 of the trapezoid which is perpendicular both to the small base and to the large base.

9. A bumper according to claim 8, in which said block  
rests via its bottom face on a shoulder of the shield,  
15 which shoulder extends towards the beam.

10. A bumper according to claim 1, in which the first impact zone of the shield is situated at a height of more than 450 mm above the ground.

20 11. A bumper according to claim 1, in which the rear end of the block is of a section which is more than twice that of the front end of the block.

25 12. A bumper according to claim 1, wherein said material is a foam.

13. A bumper according to claim 12, wherein said material is an expanded polypropylene.

30 14. The use in a motor vehicle bumper of a block of compressible material of section that increases going from the outside towards the inside of the vehicle so as to obtain a resisting force from the bumper that  
35 increases with increasing indentation of the block during an impact.